

NEW JAMAICAN FORMS OF LUCIDELLA.

BY HENRY A. PILSBRY.

There are in Jamaica three strongly marked specific stocks of *Lucidella*: *L. aureola* Fér., with the variety *undulata*; *L. depressa* Gray (placed by Pfeiffer in *Helicina*), with the aperture like *aureola*, but the shell smaller, more depressed, and weakly sculptured; and *L. lineata* C. B. Ad., of which *L. nana* Pfr., is doubtless a variety or synonym. These are quite small, with a strong, squarish tooth on the basal lip, and strong, sharp spiral liræ.

Another well marked species of the *lineata* type was collected by Messrs. Wm. J. Fox and C. W. Johnson in a cave at Port Antonio, on the northeastern coast of Jamaica.

L. Foxi, n. sp.

Shell with the depressed general form, size and color, and the acute liræ, of *L. lineata* Ad.; the liræ bearing sparse, rather long and equidistant prostrate hairs, easily rubbed off. Whorls $4\frac{1}{2}$, the last compressed but not keeled at the periphery, descending in front, excavated at the umbilical region, which is covered by a thin callus which is sparsely and very minutely asperulate or roughened by minute pointed granules. Aperture very oblique, subtriangular, the outer and *upper margins expanded, scalloped*, with four to six projecting points; the basal margin narrowly reflexed; basal lip bearing a large, squarish, projecting tooth, as in *L. lineata*; upper margin with a tubercular tooth well removed inward from the lip-edge; *outer lip with a small tubercular tooth*, distinctly developed only in fully mature specimens.

Alt. 2, diam. 3.8 mm., or smaller, diam. 3.5 mm.

Cave at Port Antonio.

L. trochiformis n. sp.

Small and distinctly trochoidal, the base flattened, smooth except for some radial wrinkles, and one or two spiral threads close to the periphery; upper surface convexly conoidal, radially undulated and spirally lirate; periphery acutely carinated and irregular or serrate; whorls $4\frac{1}{2}$, but slightly convex, the last a little deflexed, somewhat impressed in the axial region below. Aperture oblique, triangular, the lip narrowly reflexed; basal lip being a prominently projecting, squarish tubercle, upper margin with a small submarginal tubercle,

and there is another smaller one on the outer lip below the external angle.

Alt. 2, diam. 2.7 mm.

Differs from *lineata* and *Foxi* in the trochiform shape, almost complete freedom from spiral threads on the base, and in the acute periphery. It has a small tubercle on the outer lip, as in *L. Foxi*, a larger species with sculptured base, rounded periphery, scalloped upper lip and different contour.

The specimens were found associated with *L. lineata*.

NOTES ON THE MOLLUSCA OF OWASCO LAKE, N. Y.

BY FRANK C. BAKER.

Recently the Chicago Academy of Sciences has received from Dr. Howard N. Lyon, of Chicago, a fine lot of the shells of Cayuga Co., N. Y., collected for the most part by himself about Owasco Lake and River. Dr. Lyon was very precise concerning his data, and for this reason a list of the species in the collection may be of value.

For brevity I have used the following symbols for localities :

* Near Auburn, in Owasco River.

** Hayden's Mills, six miles below Auburn.

† Foot of Owasco Lake.

‡ Cascade.

†† Marsh at foot of Owasco Lake.

‡‡ North end of Owasco Lake.

1. *Alasmodonta rugosa* Barnes,*† July, 1893.

2. *Alasmodonta pressa* Lea,*† in brook four miles north of Auburn, July 1893 and 1882.

3. *Strophitus edentulus* Say.†

4. *Unio complanatus* Solander,* in South Street Brook, July, 1879.

5. *Anodontopsis subcylindraceus* Lea,* in South Street Brook, various collections from 1880 to 1885.

6. *Lampsilis luteolus* Lam,* July, 1883.

7. *Sphærium simile* Say,* in South Street Brook, 1882.

8. *Vallonia pulchella* Müller, April, 1882.

9. *Polygyra albolabris* Say.‡

10. *Polygyra thyroides* Say, var. *bucculenta* Gould.‡